

AIR QUALITY STANDARD PERMIT FOR ELECTRIC GENERATING UNITS

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OVERVIEW

- BACKGROUND
- WHY STANDARD PERMIT
- CONCEPT
- SPECIFICS

BACKGROUND

WHERE IT ALL STARTED

- **TEXAS PUBLIC UTILITY COMMISSION**
- **DEREGULATION**
- **NARUC MEETING – SANTA FE**
- **DISTRIBUTED GENERATION**

BACKGROUND

DG

- COMPETITION = CHOICES
- RELIABILITY
- POWER QUALITY
- CLEAN POWER CHOICES

WHY STANDARD PERMIT

NEED

- ALL STATIONARY SOURCES
NEED PERMITS
- STREAMLINED PERMITTING
 - PERMITS BY RULE
 - STANDARD PERMITS
 - DE MINIMIS

CONCEPT

EASY PERMITTING

- FAST & SIMPLE REGISTRATION
- ENCOURAGE EFFICIENCY
- STRICT NO_x STANDARDS
- OUTPUT BASED STANDARDS

SPECIFICS

APPLICABILITY

- ALL NEW & MODIFIED ELECTRIC GENERATING UNITS
- CANNOT TRIGGER PSD OR NA
- FOR OWN USE OR TO SELL
- PBR CAN NOT BE USED
 - SOME EXCEPTIONS

SPECIFICS

ADMINISTRATIVE

- **FORM PI-1S REGISTRATION**
- **FEE BASED ON**
 - **SIZE**
 - **EMISSIONS**
- **RECORD KEEPING**
- **DEFINITIONS**

SPECIFICS

GENERAL

- **EMISSIONS CERTIFICATION**
- **SIMPLE CHP CREDIT**
- **ENCOURAGE**
 - **LANDFILL GAS**
 - **DIGESTER GAS**
 - **OIL FIELD GAS**

SPECIFIC

GENERAL (CONTINUED)

- **EMISSIONS RE-CERTIFICATION**
- **FUEL SPECIFICATIONS**
- **OUTPUT BASED STANDARDS FOR NO_x**

SPECIFICS

NO_x STANDARDS

- **EAST TEXAS**
 - HOURS OF OPERATION AND
 - DATE OF INSTALLATION
 - VERY STRICT – NONATTAINMENT
- **WEST TEXAS**
 - HOURS OF OPERATION

SPECIFICS

NO_x STANDARDS (CONTINUED)

- **EAST TEXAS ≤ 10 MW**
 - **INSTALLED PRIOR TO 01/01/05**
 - >300 HRS/YR – 0.47 lb/MWh
 - ≤ 300 HRS/YR – 1.65 lb/MWh
 - **INSTALLED 01/01/05 OR AFTER**
 - >300 HRS/YR – 0.14 lb/MWh
 - ≤ 300 HRS/YR – 0.47 lb/MWh

SPECIFICS

NO_x STANDARDS (CONTINUED)

- **WEST TEXAS $\leq 10\text{MW}$**
 - >300 HRS/YR – 3.11 lb/MWh
 - ≤ 300 HRS/YR – 21.0 lb/MWh
- **EAST OR WEST $> 10\text{MW}$**
 - >300 HRS/YR – 0.14 lb/MWh
 - ≤ 300 HRS/YR – 0.38 lb/MWh

SUMMARY

- ENCOURAGE DG
- EXPEDITE PERMITTING
- PROTECT NONATTAINMENT AREAS
- OUTPUT BASED STANDARDS

MORE INFORMATION?

TCEQ WEBSITE

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